

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20040007088"	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/12/30 14:05
L2	1	1 and channel	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/12/30 14:20
L3	1	1 and midpoint	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/12/30 14:36
L4	12	"3822609"	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/12/30 14:41
L5	2	"1766024".PN.	USPAT; USOCR	OR	OFF	2004/12/30 14:39
L6	2	"1829305".PN.	USPAT; USOCR	OR	OFF	2004/12/30 14:39
L7	2	"2120016".PN.	USPAT; USOCR	OR	OFF	2004/12/30 14:39
L8	2	"3131576".PN.	USPAT; USOCR	OR	OFF	2004/12/30 14:40
L9	13	"2120016"	US-PGPUB ; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/12/30 14:42

ADVANTAGE - Prevents differential stresses in the connecting rod during forging.

CHOSEN-DRAWING: Dwg.1/5 Dwg.1/5

TITLE-TERMS: METHOD FORGE IC ENGINE CONNECT ROD PRESS TOOL MOVE
PERPENDICULAR
 AXIS CONNECT ROD DISPLACEMENT METAL

DERWENT-CLASS: Q62

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1994-133295

FR 2698136A1	N/A	1992FR-0013859
November 18, 1992		
EP 598664B1	N/A	1993EP-0402800
November 17, 1993		
DE 69317215E	N/A	1993DE-0617215
November 17, 1993		
DE 69317215E	N/A	1993EP-0402800
November 17, 1993		
DE 69317215E	Based on	EP 598664
N/A		

INT-CL (IPC): F16C007/02

ABSTRACTED-PUB-NO: EP 598664A

BASIC-ABSTRACT:

The connecting rod has a body (3) a big end (4) and a little end (2) forming bearings. The connecting rod is formed in two parts (10,20) each made by displacing metal by movement of tools perpendicular to the axes of the bearings.

The parts can be hot forged and can define U-section components with half sections of the bearings formed in them.

ADVANTAGE - Prevents differential stresses in the connecting rod during forging.

ABSTRACTED-PUB-NO: EP 598664B

EQUIVALENT-ABSTRACTS:

The connecting rod has a body (3) a big end (4) and a little end (2) forming bearings. The connecting rod is formed in two parts (10,20) each made by displacing metal by movement of tools perpendicular to the axes of the bearings.

The parts can be hot forged and can define U-section components with half sections of the bearings formed in them.

DERWENT-ACC-NO: 1994-169282

DERWENT-WEEK: 199829

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TITLE: Method of forging IC-engine connecting rod -
has press tools moved perpendicular to axis of connecting
rod for displacement of metal

INVENTOR: GENOUILLE, M

PATENT-ASSIGNEE: ASCOMETAL[ASCON]

PRIORITY-DATA: 1992FR-0013859 (November 18, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
EP 598664 A1	May 25, 1994	F
009 F16C 007/02		
ES 2114598 T3	June 1, 1998	N/A
000 F16C 007/02		
FR 2698136 A1	May 20, 1994	N/A
000 N/A		
EP 598664 B1	March 4, 1998	F
010 F16C 007/02		
DE 69317215 E	April 9, 1998	N/A
000 F16C 007/02		

DESIGNATED-STATES: AT BE DE ES FR GB IT NL PT SE AT BE DE ES FR GB IT
NL PT SE

CITED-DOCUMENTS: DE 3006240; DE 357748 ; DE 615243 ; DE 658462 ; EP
330830
; FR 718435 ; US 3822609 ; US 4369742

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
EP 598664A1	N/A	1993EP-0402800
November 17, 1993		
ES 2114598T3	N/A	1993EP-0402800
November 17, 1993		
ES 2114598T3	Based on	EP 598664
N/A		